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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced

NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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FILE 'HOME' ENTERED AT 11:25:45 ON 07 APR 2005

=> file uspatfull
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.21 0.21

FILE 'USPATFULL' ENTERED AT 11:26:01 ON 07 APR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 5 Apr 2005 (20050405/PD)
FILE LAST UPDATED: 5 Apr 2005 (20050405/ED)
HIGHEST GRANTED PATENT NUMBER: US6877166
HIGHEST APPLICATION PUBLICATION NUMBER: US2005071904
CA INDEXING IS CURRENT THROUGH 5 Apr 2005 (20050405/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 5 Apr 2005 (20050405/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2005

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
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>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us6375937/pn
L1 1 US6375937/PN

=> s emulsion?
L2 207660 EMULSION?

=> s l1 and l2
L3 1 L1 AND L2

=> d kwic

L3 ANSWER 1 OF 1 USPATFULL on STN
PI US 6375937 B1 20020423 <--
SUMM . . . gels, liquids (such as are suitable for roll-on products), and aerosols. The forms of these products may be suspensions or **emulsions**.
DETD . . . as described below. The internal phase is added to the external phase very slowly while stirring at to form an **emulsion**. After the addition has been completed, the mixture is stirred at higher speed to achieve a homogeneous mixture. The final formula viscosity is then achieved by homogenizing the **emulsion** under either batch or continuous process conditions as described below. The fragrance may be added at any time during the. . .
DETD Preparation of the **Emulsion**:

DETD An other method of homogenization of the final product is to pass the **emulsion** through a colloid mill such as a Sonic Tri-Homo Colloid Mill or a process sonolator such Sonic Production Sonolator 200-30. .
.
DETD . . . D5 cyclomethicone--elastomer described in U.S. Pat. No. 6,060,546). The Control Stick Example was Lady Speed Stick. The data shows that **emulsion** of the invention has conductivity as good as or better than the stick.

=> s oil?
L4 596865 OIL?

=> s l1 and l4
L5 1 L1 AND L4

=> d kwic

L5 ANSWER 1 OF 1 USPATFULL on STN
PI US 6375937 B1 20020423 <--
DETD . . . of water drop- 5.03 1.3 5.4 4.8 3.1
let after spreading (cm)
Conductivity at 10 4526 547 4511 4842 3554
seconds (micro Siemens)
% **oil** phase 30 70 32 30 30
DETD . . . #1 Stick #1 Gel #2

Diameter of water droplet after 0.87 1.7 1.2
spreading (cm)
Conductivity at 10 seconds 154 1627 295
(micro Siemens)
% **oil** phase 30 (suspension) 20

=> s oil(p)water?
549667 OIL
1229156 WATER?
L6 245721 OIL(P)WATER?

=> s l6 and l1
L7 1 L6 AND L1

=> d kwic

L7 ANSWER 1 OF 1 USPATFULL on STN
PI US 6375937 B1 20020423 <--
DETD
TABLE D

Property Ex. 22 Ex. 26 Ex. 29 Ex. 32 Ex. 33

Diameter of **water** drop- 5.03 1.3 5.4 4.8 3.1
let after spreading (cm)
Conductivity at 10 4526 547 4511 4842 3554
seconds (micro Siemens)
% **oil** phase 30 70 32 30 30
DETD
TABLE E

10/700,026

Property	Control Gel #1	Control Stick #1	Control Gel #2
Diameter of **water** droplet after spreading (cm)	0.87	1.7	1.2
Conductivity at 10 seconds (micro Siemens)	154	1627	295
% **oil** phase	30	(suspension)	20

```
=> s antiperspirant? or deodorant?
          3301 ANTIPERSPIRANT?
          9658 DEODORANT?
L8       10653 ANTIPERSPIRANT? OR DEODORANT?

=> s aluminum zirconium salt?
        578707 ALUMINUM
         75775 ZIRCONIUM
        546244 SALT?
L9         140 ALUMINUM ZIRCONIUM SALT?
                 (ALUMINUM(W)ZIRCONIUM(W)SALT?)

=> s l8 and l9
L10        135 L8 AND L9

=> s l8/ti
           415 ANTIPERSPIRANT?/TI
           475 DEODORANT?/TI
L11        805 (ANTIPERSPIRANT?/TI OR DEODORANT?/TI)

=> s l11 and l10
L12         69 L11 AND L10

=> s oil-in-water or water-in-oil
        549667 OIL
       1201547 WATER
         52428 OIL-IN-WATER
                 (OIL(1W)WATER)
       1201547 WATER
        549667 OIL
         44314 WATER-IN-OIL
                 (WATER(1W)OIL)
L13      73098 OIL-IN-WATER OR WATER-IN-OIL

=> s l12 and l13
L14         29 L12 AND L13

=> s glycine?
L15      80894 GLYCINE?

=> s l14 and l15
L16         27 L14 AND L15

=> s HPLC
L17      83861 HPLC

=> s l16 and l17
L18         11 L16 AND L17

=> d 1-11 ibib abs
```

L18 ANSWER 1 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2005:43242 USPATFULL
TITLE: Enhanced efficacy **antiperspirant** compositions containing strontium
INVENTOR(S): Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S): The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005036968	A1	20050217	
APPLICATION INFO.:	US 2003-641348	A1	20030814	(10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: CLM-01-71
LINE COUNT: 772
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to enhanced efficacy **antiperspirant** salts containing strontium and an amino acid or a hydroxy acid and particularly to stabilized aqueous solutions of such salts. The present invention also embraces methods of making these **antiperspirant** salts and solutions and compositions containing same.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 2 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2005:43241 USPATFULL
TITLE: Enhanced efficacy **antiperspirant** compositions containing strontium or calcium
INVENTOR(S): Allen, Jan L., Silver Spring, MD, UNITED STATES
Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S): The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005036967	A1	20050217	
APPLICATION INFO.:	US 2003-641305	A1	20030814	(10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 409
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are enhanced efficacy **antiperspirant** compositions containing a strontium salt and/or a calcium salt. In particular, there is disclosed an **antiperspirant** composition comprising a dermatologically acceptable carrier vehicle, about 8% to about 22% (USP) of an aluminum-zirconium chlorohydrate-gly **antiperspirant** salt, wherein the **antiperspirant** salt has an **HPLC** peak 5 area of at least 33%, and about 0.5% to about 15%, preferably about 1% to about 6%, by weight, of a water soluble salt selected from the group consisting of a water soluble strontium salt, a water soluble calcium salt and a mixture thereof It has been found that the inclusion of a strontium salt and/or a calcium salt boosts the efficacy of a high peak 5 **antiperspirant** salt. As a preferred feature, the

antiperspirant salt and the water soluble salt are dissolved in at least a portion of the carrier vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 3 OF 11 USPATFULL on STN

ACCESSION NUMBER:	2004:177770 USPATFULL
TITLE:	Aluminum-zirconium **antiperspirant** salts with low M:Cl ratio
INVENTOR(S):	Carrillo, Angel L., Wellesley, MA, UNITED STATES Oryszczak, Richard, Palatine, IL, UNITED STATES Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S):	The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004136934	A1	20040715
APPLICATION INFO.:	US 2003-700026	A1	20031103 (10)

RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-138476, filed on 3 May 2002, GRANTED, Pat. No. US 6649152 Continuation of Ser. No. US 2000-696271, filed on 25 Oct 2000, GRANTED, Pat. No. US 6436381
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS:	21
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	1 Drawing Page(s)
LINE COUNT:	642

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions that have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. These salts also typically exhibit an **HPLC** peak 5 area content of about 33% or more, preferably at least 45%, more preferably at least 50%, most preferably at least 55%. Especially preferred are aluminum-zirconium **antiperspirant** salt compositions which, in addition to the aforementioned high peak 5 content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4, preferably at least 0.7. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 4 OF 11 USPATFULL on STN

ACCESSION NUMBER:	2004:126430 USPATFULL
TITLE:	Multi-portion **antiperspirant** composition
INVENTOR(S):	Elliott, David L., North Attleboro, MA, UNITED STATES Colwell, Dennis J., Mansfield, MA, UNITED STATES Sane, Jayant N., Framingham, MA, UNITED STATES Vu, Tuan M., Canton, MA, UNITED STATES Galante, Cheryl Lynn, Marshfield, MA, UNITED STATES
PATENT ASSIGNEE(S):	The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION: US 2004096408 A1 20040520
APPLICATION INFO.: US 2002-298113 A1 20021115 (10)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 728
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a non-flowable anhydrous topical **antiperspirant** composition comprising a first portion and a second portion contiguous with the first portion. The first portion is semi-opaque to opaque and comprises a first hydrophobic carrier vehicle and a first gellant and has a particulate **antiperspirant** active suspended therein. The second portion is translucent to transparent and comprises a second hydrophobic carrier vehicle and a second gellant. Preferably, the second hydrophobic carrier vehicle has an average refractive index that approximately matches the refractive index of the second gellant. Ideally, for greater translucency the second portion will be substantially free of **antiperspirant** salt and/or other opacifying materials. Preferably, the first hydrophobic carrier vehicle also has an average refractive index that approximately matches the refractive index of the first gellant. Even more preferably, the second hydrophobic carrier vehicle and second gellant are comprised of substantially the same materials in substantially the same proportions as the first hydrophobic carrier vehicle and first gellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 5 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2003:29815 USPATFULL
TITLE: Aluminum-zirconium **antiperspirant** salts with high peak 5 Al content
INVENTOR(S): Carrillo, Angel L., Wellesley, MA, UNITED STATES
Oryszczak, Richard, Palatine, IL, UNITED STATES
Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S): The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003021757	A1	20030130
	US 6649152	B2	20031118
APPLICATION INFO.:	US 2002-138476	A1	20020503 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-696271, filed on 25 Oct 2000, GRANTED, Pat. No. US 6436381
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 669
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions which exhibit an **HPLC** peak 5 area content of about 33% or more, preferably at least 45%, more preferably at least 50%, most preferably at least 55%. Especially preferred are aluminum-zirconium **antiperspirant** salt

compositions which, in addition to the aforementioned high peak 5 content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4, preferably at least 0.7. The aforementioned salt compositions will preferably have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 6 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2002:209099 USPATFULL
TITLE: Aluminum-zirconium **antiperspirant** salts with high peak 5 al content
INVENTOR(S): Carrillo, Angel L., Wellesley, MA, United States
Oryszczak, Richard, Palatine, IL, United States
Shen, Yan-Fei, Canton, MA, United States
PATENT ASSIGNEE(S): The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6436381	B1	20020820	
APPLICATION INFO.:	US 2000-696271		20001025	(9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Badio, Barbara P.
LEGAL REPRESENTATIVE: Williams, Stephan P.
NUMBER OF CLAIMS: 40
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 685
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions which exhibit an **HPLC** peak 5 area content of about 33% or more. Especially preferred are aluminum-zirconium **antiperspirant** salt compositions which, in addition to the aforementioned high peak 5 content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4. The aforementioned salt compositions will preferably have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 7 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2002:87982 USPATFULL
TITLE: **Antiperspirant** and **deodorant** compositions containing a low molecular weight polyethylene gellant
INVENTOR(S): Clothier, Jr., James G., Boston, MA, United States
Carlson, Sr., Jeffrey R., Pembroke, MA, United States

	Colwell, Dennis J., Mansfield, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6375938	B1	20020423
APPLICATION INFO.:	US 2001-842560		20010426 (9)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Dodson, Shelley A.
LEGAL REPRESENTATIVE:	Williams, Stephan P.
NUMBER OF CLAIMS:	24
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT:	563

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention embraces an anhydrous topical **antiperspirant** or **deodorant** composition comprising an **antiperspirant** or **deodorant** active, a dermatologically acceptable volatile silicone liquid carrier vehicle and a polyethylene homopolymer dissolved in the vehicle to serve as a thickening or solidifying agent, wherein the polyethylene homopolymer has a molecular weight of about 200 to about 800 daltons, preferably about 300 to about 600 daltons, most preferably about 400 to about 500 daltons. The composition should be substantially free of any other organic or natural waxes. The present invention also embraces a method of inhibiting or reducing perspiration or a method of inhibiting or reducing malodor by topically applying an effective amount of such an **antiperspirant** composition or **deodorant** composition to the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 8 OF 11 USPATFULL on STN

ACCESSION NUMBER:	2001:86029 USPATFULL
TITLE:	Enhanced **antiperspirant** salts stabilized with calcium and concentrated aqueous solutions of such salts
INVENTOR(S):	Shen, Yan-Fei, Canton, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6245325	B1	20010612
APPLICATION INFO.:	US 1999-435183		19991105 (9)

RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1999-US17780, filed on 5 Aug 1999 Continuation-in-part of Ser. No. US 1998-136823, filed on 19 Aug 1998, now patented, Pat. No. US 6042816
DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Williamson, Michael A
LEGAL REPRESENTATIVE:	Williams, Stephen P.
NUMBER OF CLAIMS:	27
EXEMPLARY CLAIM:	1
LINE COUNT:	921

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to enhanced efficacy **antiperspirant** salts containing calcium and an amino acid or a hydroxy acid and particularly to stabilized aqueous solutions of such

salts. The present invention also embraces methods of making these **antiperspirant** salts and solutions and compositions containing same.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 9 OF 11 USPATFULL on STN

ACCESSION NUMBER:	2000:37374 USPATFULL
TITLE:	Enhanced **antiperspirant** salts stabilized with calcium and concentrated aqueous solutions of such salts
INVENTOR(S):	Shen, Yan-Fei, Canton, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6042816		20000328	
APPLICATION INFO.:	US 1998-136823		19980819	(9)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Williamson, Michael A.
LEGAL REPRESENTATIVE:	Williams, Stephan P.
NUMBER OF CLAIMS:	40
EXEMPLARY CLAIM:	1
LINE COUNT:	1020

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to enhanced efficacy **antiperspirant** salts containing calcium and an amino acid or a hydroxy acid and particularly to stabilized aqueous solutions of such salts. The present invention also embraces methods of making these **antiperspirant** salts and solutions and compositions containing same.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 10 OF 11 USPATFULL on STN

ACCESSION NUMBER:	1999:113353 USPATFULL
TITLE:	**Antiperspirant** compositions containing calcium salts
INVENTOR(S):	Thong, Stephen Hong-Kwee, Needham, MA, United States Weber, Teresa M., Bethesda, MD, United States Prodouz, Kristina N., Boston, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5955065		19990921	
APPLICATION INFO.:	US 1998-136770		19980819	(9)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Dodson, Shelley A.
LEGAL REPRESENTATIVE:	Williams, Stephan P.
NUMBER OF CLAIMS:	21
EXEMPLARY CLAIM:	1
LINE COUNT:	510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention embraces **antiperspirant** compositions with improved efficacy. These compositions contain an aluminum or aluminum-zirconium **antiperspirant** salt and a water soluble

calcium salt, both of which are suspended in a dermatologically acceptable anhydrous carrier vehicle. The present invention also embraces a method of inhibiting or reducing perspiration by topically applying an effective amount of such an **antiperspirant** composition to the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 11 OF 11 USPATFULL on STN
ACCESSION NUMBER: 1999:81530 USPATFULL
TITLE: Clear **antiperspirant** or **deodorant** gel composition with volatile linear silicone to reduce staining
INVENTOR(S): Karassik, Nancy M., Concord, MA, United States
Angelone, Jr., Philip P., Wilmington, MA, United States
Boyle, Patricia Riley, Stow, MA, United States
Di Domizio, Patricia, Malden, MA, United States
Galante, Cheryl Weston, Braintree, MA, United States
Patel, Jay C., Braintree, MA, United States
Rogers, Patricia A., Hyde Park, MA, United States
PATENT ASSIGNEE(S): The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5925338		19990720	
APPLICATION INFO.:	US 1997-790563		19970129	(8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Dees, Jose' G.
ASSISTANT EXAMINER: Williamson, Michael A.
LEGAL REPRESENTATIVE: Williams, Stephan P.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 387
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a clear **antiperspirant** or **deodorant** gel composition which exhibits reduced staining while retaining excellent aethetic attributes and efficacy. The gel composition is a **water**-in-**oil** emulsion having a viscosity of about 50,000 to 250,000 cP, preferably about 100,000 to 200,000 cP. The water phase comprises about 75 to 90% of the composition and contains a **deodorant** or **antiperspirant** effective amount (e.g. about 3 to 25%) of an **antiperspirant** active dissolved therein. The oil phase comprises about 10 to 25% of the composition and contains a silicone oil and a polyether substituted silicone emulsifying agent. The silicone oil comprises a mixture of a non-volatile silicone, preferably a non-volatile linear silicone, and a volatile linear silicone. It has been found that reducing the amount of non-volatile silicone in the known gel composition to a relatively low level (e.g. below about 5%) and adding an amount of volatile linear silicone to the composition (e.g. above about 2%, preferably above about 5%) substantially improves the non-staining properties of the composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s high peak 5
2532092 HIGH
314237 PEAK

```
       3951113 5
L19           9 HIGH PEAK 5
                (HIGH(W)PEAK(W)5)

=> s l18 and l19
L20           6 L18 AND L19

=> d 1-6 ibib abs
```

L20 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER:	2005:43241 USPATFULL
TITLE:	Enhanced efficacy **antiperspirant** compositions containing strontium or calcium
INVENTOR(S):	Allen, Jan L., Silver Spring, MD, UNITED STATES Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S):	The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005036967	A1	20050217	
APPLICATION INFO.:	US 2003-641305	A1	20030814	(10)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS:	16
EXEMPLARY CLAIM:	1
LINE COUNT:	409

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are enhanced efficacy **antiperspirant** compositions containing a strontium salt and/or a calcium salt. In particular, there is disclosed an **antiperspirant** composition comprising a dermatologically acceptable carrier vehicle, about 8% to about 22% (USP) of an aluminum-zirconium chlorohydrate-gly **antiperspirant** salt, wherein the **antiperspirant** salt has an **HPLC** peak 5 area of at least 33%, and about 0.5% to about 15%, preferably about 1% to about 6%, by weight, of a water soluble salt selected from the group consisting of a water soluble strontium salt, a water soluble calcium salt and a mixture thereof It has been found that the inclusion of a strontium salt and/or a calcium salt boosts the efficacy of a **high peak 5 antiperspirant** salt.

As a preferred feature, the **antiperspirant** salt and the water soluble salt are dissolved in at least a portion of the carrier vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER:	2004:177770 USPATFULL
TITLE:	Aluminum-zirconium **antiperspirant** salts with low M:Cl ratio
INVENTOR(S):	Carrillo, Angel L., Wellesley, MA, UNITED STATES Oryszczak, Richard, Palatine, IL, UNITED STATES Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S):	The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004136934	A1	20040715	
APPLICATION INFO.:	US 2003-700026	A1	20031103	(10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-138476, filed on 3 May 2002, GRANTED, Pat. No. US 6649152 Continuation of Ser.			

No. US 2000-696271, filed on 25 Oct 2000, GRANTED, Pat. No. US 6436381
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 642
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions that have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. These salts also typically exhibit an **HPLC** peak 5 area content of about 33% or more, preferably at least 45%, more preferably at least 50%, most preferably at least 55%. Especially preferred are aluminum-zirconium **antiperspirant** salt compositions which, in addition to the aforementioned **high peak 5** content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4, preferably at least 0.7. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 3 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2004:126430 USPATFULL
TITLE: Multi-portion **antiperspirant** composition
INVENTOR(S): Elliott, David L., North Attleboro, MA, UNITED STATES
Colwell, Dennis J., Mansfield, MA, UNITED STATES
Sane, Jayant N., Framingham, MA, UNITED STATES
Vu, Tuan M., Canton, MA, UNITED STATES
Galante, Cheryl Lynn, Marshfield, MA, UNITED STATES
PATENT ASSIGNEE(S): The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004096408	A1	20040520	
APPLICATION INFO.:	US 2002-298113	A1	20021115	(10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 728
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a non-flowable anhydrous topical **antiperspirant** composition comprising a first portion and a second portion contiguous with the first portion. The first portion is semi-opaque to opaque and comprises a first hydrophobic carrier vehicle and a first gellant and has a particulate **antiperspirant** active suspended therein. The second portion is translucent to transparent and comprises a second hydrophobic carrier vehicle and a second gellant. Preferably, the second hydrophobic carrier vehicle has an average refractive index that approximately matches the refractive index of the second gellant.

Ideally, for greater translucency the second portion will be substantially free of **antiperspirant** salt and/or other opacifying materials. Preferably, the first hydrophobic carrier vehicle also has an average refractive index that approximately matches the refractive index of the first gellant. Even more preferably, the second hydrophobic carrier vehicle and second gellant are comprised of substantially the same materials in substantially the same proportions as the first hydrophobic carrier vehicle and first gellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 4 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2003:29815 USPATFULL
TITLE: Aluminum-zirconium **antiperspirant** salts with **high peak 5** Al content
INVENTOR(S): Carrillo, Angel L., Wellesley, MA, UNITED STATES
Oryszczak, Richard, Palatine, IL, UNITED STATES
Shen, Yan-Fei, Canton, MA, UNITED STATES
PATENT ASSIGNEE(S): The Gillette Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003021757	A1	20030130
	US 6649152	B2	20031118
APPLICATION INFO.:	US 2002-138476	A1	20020503 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-696271, filed on 25 Oct 2000, GRANTED, Pat. No. US 6436381
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PATENT AND TRADEMARK COUNSEL, THE GILLETTE COMPANY, 800 BOYLSTON STREET, BOSTON, MA, 02199
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 669
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions which exhibit an **HPLC** peak 5 area content of about 33% or more, preferably at least 45%, more preferably at least 50%, most preferably at least 55%. Especially preferred are aluminum-zirconium **antiperspirant** salt compositions which, in addition to the aforementioned **high peak 5** content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4, preferably at least 0.7. The aforementioned salt compositions will preferably have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 5 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2002:209099 USPATFULL
TITLE: Aluminum-zirconium **antiperspirant** salts with **high peak 5** al content
INVENTOR(S): Carrillo, Angel L., Wellesley, MA, United States
Oryszczak, Richard, Palatine, IL, United States

	Shen, Yan-Fei, Canton, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6436381	B1	20020820	
APPLICATION INFO.:	US 2000-696271		20001025	(9)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Badio, Barbara P.
LEGAL REPRESENTATIVE:	Williams, Stephan P.
NUMBER OF CLAIMS:	40
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT:	685

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are enhanced efficacy aluminum-zirconium **antiperspirant** salt compositions which exhibit an **HPLC** peak 5 area content of about 33% or more. Especially preferred are aluminum-zirconium **antiperspirant** salt compositions which, in addition to the aforementioned **high peak 5** content, also exhibit an **HPLC** peak 4 to peak 3 area ratio of at least 0.4. The aforementioned salt compositions will preferably have a metal (Al+Zr) to chloride (or anion) ratio of about 0.90 to about 1.00. Also disclosed are methods of making such **antiperspirant** salt compositions and aqueous solutions of such **antiperspirant** salt compositions. Further disclosed are topical compositions comprising a dermatologically acceptable carrier vehicle and a perspiration reducing effective amount of an aluminum-zirconium **antiperspirant** salt composition as described above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER:	2002:87982 USPATFULL
TITLE:	**Antiperspirant** and **deodorant** compositions containing a low molecular weight polyethylene gellant
INVENTOR(S):	Clothier, Jr., James G., Boston, MA, United States Carlson, Sr., Jeffrey R., Pembroke, MA, United States Colwell, Dennis J., Mansfield, MA, United States
PATENT ASSIGNEE(S):	The Gillette Company, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6375938	B1	20020423	
APPLICATION INFO.:	US 2001-842560		20010426	(9)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Dodson, Shelley A.
LEGAL REPRESENTATIVE:	Williams, Stephan P.
NUMBER OF CLAIMS:	24
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT:	563

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention embraces an anhydrous topical **antiperspirant** or **deodorant** composition comprising an **antiperspirant** or **deodorant** active, a dermatologically

acceptable volatile silicone liquid carrier vehicle and a polyethylene homopolymer dissolved in the vehicle to serve as a thickening or solidifying agent, wherein the polyethylene homopolymer has a molecular weight of about 200 to about 800 daltons, preferably about 300 to about 600 daltons, most preferably about 400 to about 500 daltons. The composition should be substantially free of any other organic or natural waxes. The present invention also embraces a method of inhibiting or reducing perspiration or a method of inhibiting or reducing malodor by topically applying an effective amount of such an **antiperspirant** composition or **deodorant** composition to the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> s us6126928/pn
L21           1 US6126928/PN

=> d his

     (FILE 'HOME' ENTERED AT 11:25:45 ON 07 APR 2005)

     FILE 'USPATFULL' ENTERED AT 11:26:01 ON 07 APR 2005
L1            1 S US6375937/PN
L2       207660 S EMULSION?
L3            1 S L1 AND L2
L4       596865 S OIL?
L5            1 S L1 AND L4
L6       245721 S OIL(P)WATER?
L7            1 S L6 AND L1
L8        10653 S ANTIPERSPIRANT? OR DEODORANT?
L9          140 S ALUMINUM ZIRCONIUM SALT?
L10         135 S L8 AND L9
L11         805 S L8/TI
L12          69 S L11 AND L10
L13       73098 S OIL-IN-WATER OR WATER-IN-OIL
L14          29 S L12 AND L13
L15       80894 S GLYCINE?
L16          27 S L14 AND L15
L17       83861 S HPLC
L18          11 S L16 AND L17
L19           9 S HIGH PEAK 5
L20           6 S L18 AND L19
L21           1 S US6126928/PN

=> s l21 and l13
L22           0 L21 AND L13

=> s l1 and l13
L23           0 L1 AND L13

=> s 6066314/pn
L24           0 6066314/PN

=> s us6066314/pn
L25           1 US6066314/PN

=> s l25 and l13
L26           0 L25 AND L13
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comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising: (i) a topically-effective amount of a topically-active compound, and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a silicon-free surfactant blend having an HLB value of about 1 to about 10, said surfactant blend comprising a first surfactant having an HLB value of about 0.1 to about 10 and a second surfactant having an HLB greater than about 10.

=> d ibib abs

L7 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER:	96:60435 USPATFULL			
TITLE:	Topically-effective compositions			
INVENTOR(S):	Herb, Craig A., Chicago, IL, United States Sun, Wei-Mei, Palatine, IL, United States Walling, Priscilla M., Darien, IL, United States Stiffe, Susan A., Peoria, IL, United States			
PATENT ASSIGNEE(S):	Helene Curtis, Inc., Chicago, IL, United States (U.S. corporation)			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5534246		19960709	<--
APPLICATION INFO.:	US 1994-297659		19940829	(8)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Ivy, C. Warren			
ASSISTANT EXAMINER:	Huang, Evelyn			
LEGAL REPRESENTATIVE:	Marshall, O'Toole, Gerstein, Murray & Borun			
NUMBER OF CLAIMS:	43			
EXEMPLARY CLAIM:	1			
LINE COUNT:	1696			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Roll-on or gel topically-effective compositions comprising a topically-active compound, a silicon-free surfactant or silicon-free surfactant blend having an HLB value of about 0.1 to about 10, an organic phase comprising a volatile silicone compound or a volatile hydrocarbon compound, and water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> file uspatfull
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 7 Apr 2005 (20050407/PD)
FILE LAST UPDATED: 7 Apr 2005 (20050407/ED)
HIGHEST GRANTED PATENT NUMBER: US6877166
HIGHEST APPLICATION PUBLICATION NUMBER: US2005076416
CA INDEXING IS CURRENT THROUGH 7 Apr 2005 (20050407/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Apr 2005 (20050407/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2005

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=> s us5955065/pn
L1 1 US5955065/PN

=> s oil-in-water
549667 OIL
1201547 WATER
L2 52428 OIL-IN-WATER
(OIL(1W)WATER)

=> s l1 and l2
L3 1 L1 AND L2

=> d kwic

L3 ANSWER 1 OF 1 USPATFULL on STN
PI US 5955065 19990921 <--
SUMM . . . octanoate. In U.S. Pat. No. 5,534,246 there are disclosed clear water-in-oil antiperspirant emulsions in which the refractive indices of the **oil** and **water** phases are matched. A variety of refractive index adjusting compounds are disclosed, one of which is calcium chloride. Examples 5. . .

=> s us5534246/pn

10/700,026

L4 1 US5534246/PN

=> s l2 and l4
L5 1 L2 AND L4

=> s aluminum
L6 578707 ALUMINUM

=> s l5 and l6
L7 1 L5 AND L6

=> d kwic

L7 ANSWER 1 OF 1 USPATFULL on STN
PI US 5534246 19960709 <--
SUMM . . . Topically-delivered active compounds, such as an antiperspirant compound, skin care compound or topical medicament, conventionally have been prepared as either **oil**-in-**water** emulsions or water-in-oil emulsions. However, prior topically-effective compositions prepared as emulsions typically felt wet when applied to the skin. In. . .
SUMM . . . or suspensions. Emulsified antiperspirant compositions of these various forms are well-known in the cosmetic art. Antiperspirant compositions prepared as either **oil**-in-**water** emulsions or water-in-oil emulsions typically have a milky or opaque appearance and are manufactured by complex methods. An ideal emulsified. . .
SUMM . . . include a water phase and an oil phase. The oil phase often is suspended in the water phase (i.e., an **oil**-in-**water** emulsion) by using a sufficient amount of an appropriate emulsifier or emulsifiers. **Oil**-in-**water** emulsion products have a wet feel because the continuous external phase is aqueous. Water-in-oil emulsions, wherein the continuous external phase. . .
SUMM GB 2,079,300 discloses transparent silicone-containing **oil**-in-**water** emulsions prepared by the addition of a polyol. The emulsions include high HLB surfactants. U.S. Pat. No. 4,784,844 discloses **oil**-in-**water** opaque to transparent silicone emulsions including up to 80% internal phase. Other patents disclosing silicone-containing **oil**-in-**water** emulsions include U.S. Pat. Nos. 4,122,029, 4,732,754, and 5,162,378. Patents disclosing silicone surfactants used in topically-effective compositions include U.S. Pat.. . .
SUMM . . . antiperspirant compounds known in the art, such as the astringent salts. The astringent salts include organic and inorganic salts of **aluminum**, zirconium, zinc, and mixtures thereof. The anion of the astringent salt can be, for example, sulfate, chloride, chlorohydroxide, alum, formate, lactate, benzyl sulfonate or phenyl sulfonate. Exemplary classes of antiperspirant astringent salts include **aluminum** halides, **aluminum** hydroxyhalides, zirconyl oxyhalides, zirconyl hydroxyhalides, and mixtures thereof.
SUMM Exemplary **aluminum** salts include **aluminum** chloride and the **aluminum** hydroxyhalides having the general formula Al.sub.2 (OH).sub.x Q.sub.y.XH.sub.2 O, wherein Q is chlorine, bromine or iodine; x is about 2. . .
SUMM The antiperspirant compounds are water-soluble. Exemplary antiperspirant compounds therefore include, but are not limited to, **aluminum** bromohydrate, potassium alum, sodium **aluminum** chlorohydroxy lactate, **aluminum** sulfate, **aluminum** chlorohydrate, **aluminum**-zirconium tetrachlorohydrate, an **aluminum** -zirconium polychlorohydrate complexed with glycine, **aluminum** -zirconium trichlorohydrate, **aluminum**-zirconium

octachlorohydrate, **aluminum** sesquichlorohydrate, **aluminum** sesquichlorohydrex PG, **aluminum** chlorohydrex PEG, **aluminum** zirconium octachlorohydrex glycine complex, **aluminum** zirconium pentachlorohydrex glycine complex, **aluminum** zirconium tetrachlorohydrex glycine complex, **aluminum** zirconium trichlorohydrex glycine complex, **aluminum** chlorohydrex PG, zirconium chlorohydrate, **aluminum** dichlorohydrate, **aluminum** dichlorohydrex PEG, **aluminum** dichlorohydrex PG, **aluminum** sesquichlorohydrex PG, **aluminum** chloride, **aluminum** zirconium pentachlorohydrate, and mixtures thereof. Numerous other useful antiperspirant compounds are listed in WO 91/19222 and in the Cosmetic and. . .

SUMM Preferred antiperspirant compounds are the **aluminum**-zirconium chlorides complexed with an amino acid, like glycine, and the **aluminum** chlorohydrates. Preferred **aluminum**-zirconium chloride glycine complexes have an **aluminum** (Al) to zirconium (Zr) ratio of about 1.67 to about 12.5, and a total metal (Al+Zr) to chlorine ratio (metal. . .

SUMM . . . zinc-neomycin sulfate-hydrocortisone, chloramphenicol, methylbenzethonium chloride, and erythromycin and the like; antiparasitics, such as lindane; deodorants, such as chlorophyllin copper complex, **aluminum** chloride, **aluminum** chloride hexahydrate, and methylbenzethonium chloride; essentially all dermatologicals, like acne preparations, such as benzoyl peroxide, erythromycin-benzoyl peroxide, clindamycin phosphate, 5,7-dichloro-8-hydroxyquinoline,. . .

DETD . . . by weight of the total composition, all percents set forth the amount of each ingredient present in the composition;

.sup.2) **aluminum** chlorohydrate (ACH), available commercially as CHLOROHYDROL, from Reheis, Inc. Berkeley Heights, New Jersey, added as a 50% weight percent solution. . .

CLM What is claimed is:

7. The composition of claim 1 wherein the antiperspirant compound is an astringent salt comprising **aluminum**, zirconium, zinc or a mixture thereof.

8. The composition of claim 1 wherein the antiperspirant compound is selected from the group consisting of **aluminum** bromohydrate, potassium alum, sodium **aluminum** chlorohydroxy lactate, **aluminum** sulfate, **aluminum** chlorohydrate, **aluminum**-zirconium tetrachlorohydrate, an **aluminum** -zirconium polychlorohydrate complexed with glycine, **aluminum** -zirconium trichlorohydrate, **aluminum**-zirconium octachlorohydrate, **aluminum** sesquichlorohydrate, **aluminum** sesquichlorohydrex PG, **aluminum** chlorohydrex PEG, **aluminum** zirconium octachlorohydrex glycine complex, **aluminum** zirconium pentachlorohydrex glycine complex, **aluminum** zirconium tetrachlorohydrex glycine complex, **aluminum** zirconium trichlorohydrex glycine complex, **aluminum** chlorohydrex PG, zirconium chlorohydrate, **aluminum** dichlorohydrate, **aluminum** dichlorohydrex PEG, **aluminum** dichlorohydrex PG, **aluminum** sesquichlorohydrex PG, **aluminum** chloride, **aluminum** zirconium pentachlorohydrate, and mixtures thereof.

. . . said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound comprising **aluminum** chlorohydrate and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising. . .

=> d clm

L7 ANSWER 1 OF 1 USPATFULL on STN

CLM What is claimed is:

1. An emulsified, water-in-oil antiperspirant composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof.

2. The composition of claim 1 further comprising a refractive index-adjusting compound to match the refractive index of the aqueous phase to the refractive index of the organic phase and provide a transparent composition.

3. The composition of claim 2 wherein the composition has a % of transmittance at 700 nm of at least 50%.

4. The composition of claim 1 wherein the composition is a liquid or a flowable semisolid having a viscosity of about 1,000 to about 100,000 centipoise.

5. The composition of claim 1 wherein the antiperspirant compound is present in an amount of about 5% to about 30% by weight of the composition.

6. The composition of claim 1 wherein the antiperspirant compound is present in an amount of about 10% to about 25% by weight of the composition.

7. The composition of claim 1 wherein the antiperspirant compound is an astringent salt comprising **aluminum**, zirconium, zinc or a mixture thereof.

8. The composition of claim 1 wherein the antiperspirant compound is selected from the group consisting of **aluminum** bromohydrate, potassium alum, sodium **aluminum** chlorohydroxy lactate, **aluminum** sulfate, **aluminum** chlorohydrate, **aluminum**-zirconium tetrachlorohydrate, an **aluminum** -zirconium polychlorohydrate complexed with glycine, **aluminum** -zirconium trichlorohydrate, **aluminum**-zirconium octachlorohydrate, **aluminum** sesquichlorohydrate, **aluminum** sesquichlorohydrex PG, **aluminum** chlorohydrex PEG, **aluminum** zirconium octachlorohydrex glycine complex, **aluminum** zirconium pentachlorohydrex glycine complex, **aluminum** zirconium tetrachlorohydrex glycine complex, **aluminum** zirconium trichlorohydrex glycine complex, **aluminum** chlorohydrex PG, zirconium chlorohydrate, **aluminum** dichlorohydrate, **aluminum** dichlorohydrex PEG,

aluminum dichlorohydrex PG, **aluminum** sesquichlorohydrex PG, **aluminum** chloride, **aluminum** zirconium pentachlorohydrate, and mixtures thereof.

9. The composition of claim 1 wherein the organic phase is present in an amount of about 2% to about 20% by weight of the composition.

10. The composition of claim 1 wherein the volatile silicone compound has a viscosity of about 0.5 to about 6 centistokes.

11. The composition of claim 1 wherein the volatile silicone compound comprises a cyclic volatile silicone having a viscosity at 25° C. of about 2 to about 6 centistokes and a boiling point at 760 mm of about 150° C. to about 250° C.

12. The composition of claim 11 wherein the cyclic volatile silicone is a cyclomethicone.

13. The composition of claim 12 wherein the cyclomethicone is selected from the group consisting of hexamethylcyclotrisiloxane, octamethylcyclotetrasiloxane, decamethylcyclopentasiloxane, dodecamethylcyclohexasiloxane, and mixtures thereof.

14. The composition of claim 1 wherein the volatile silicone compound comprises a linear volatile silicone having a viscosity at 25° C. of about 0.5 to about 5 centistokes and a boiling point at 760 mm of about 100° C. to about 250° C.

15. The composition of claim 14 wherein the linear volatile silicone is selected from the group consisting of hexamethyldisiloxane, octamethyltrisiloxane, decamethyltetrasiloxane, dodecamethylpentasiloxane, bisphenylhexamethicone, and mixtures thereof.

16. The composition of claim 1 wherein the volatile hydrocarbon compound has about 10 to about 30 carbon atoms.

17. The composition of claim 16 wherein the volatile hydrocarbon compound has about 12 to about 24 carbon atoms and has a boiling point at 760 mm of about 100° C. to about 250° C.

18. The composition of claim 1 wherein the volatile hydrocarbon compound has the structural formula: ##STR2## wherein n ranges from 2 to about 5, and mixtures.

19. The composition of claim 1 wherein the organic phase further comprises a nonvolatile organic compound.

20. The composition of claim 19 wherein the nonvolatile organic compound is selected from the group consisting of a mineral oil, phenyltrimethicone, a polydimethylsiloxane having a viscosity at 25° C. of about 6 to about 400 cs, an ester having about 10 to about 32 carbon atoms, 1-decene dimer, a polydecene, isoeicosane, a hydrogenated polybutene, and mixtures thereof.

21. The composition of claim 1 wherein the surfactant phase is present in an amount of about 0.1% to about 10% by weight of the composition.

22. The composition of claim 1 wherein the surfactant phase is present in an amount of about 0.5% to about 5% by weight of the composition.

23. The composition of claim 1 wherein the surfactant phase has an HLB

value of about 0.1 to about 10.

24. A method of treating or preventing malodors associated with human perspiration comprising topically applying an effective amount of an antiperspirant composition to human skin, said composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof.

25. An emulsified, water-in-oil antiperspirant composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 1 to about 7 and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof.

26. An emulsified, water-in-oil antiperspirant composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof; and (d) an oil-soluble refractive index-adjusting compound to match the refractive index of the aqueous phase to the refractive index of the organic phase and provide a transparent composition.

27. An emulsified, water-in-oil antiperspirant composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound comprising **aluminum** chlorohydrate and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising

cyclomethicone; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of laureth-1.

28. The composition of claim 25 wherein the surfactant phase has an HLB value of about 3 to about 6.

29. The composition of claim 1 wherein the surfactant phase consists essentially of a single silicon-free surfactant having an HLB value of about 0.1 to about 10.

30. The composition of claim 1 wherein the surfactant phase consists essentially of a silicon-free surfactant blend having an HLB value of about 1 to about 10, said surfactant blend comprising a first surfactant having an HLB value of about 0.1 to about 10 and a second surfactant having an HLB greater than about 10.

31. The composition of claim 1 wherein the surfactant phase is selected from the group consisting of laureth-1, laureth-2, laureth-3, laureth-4, oleth-2, steareth-3, steareth-2, ceteth-2, oleth-3, an ethoxylated nonylphenol, ethoxylated octylphenol, ethoxylated dodecylphenol, ethoxylated fatty (C.sub.6 -C.sub.22) alcohol having 4 or fewer ethylene oxide moieties, and mixtures thereof.

32. The composition of claim 1 wherein the organic phase comprises a volatile silicone compound and the surfactant phase consists essentially of a silicon-free surfactant having a hydrophobic moiety having about 10 to about 14 carbon atoms.

33. The composition of claim 2 wherein the refractive index-adjusting compound is water soluble.

34. The composition of claim 31 wherein the water-soluble refractive index-adjusting compound is selected from the group consisting of calcium chloride, sodium chloride, zinc chloride, potassium iodide, zinc phenylsulfonate, a sugar, and mixtures thereof.

35. The composition of claim 26 wherein the oil-soluble refractive index-adjusting compound comprises a phenyltrimethicone.

36. The composition of claim 27 wherein calcium chloride is added to the aqueous phase to match the refractive index of the aqueous phase to the refractive index of the organic phase.

37. An emulsified, water-in-oil topically-effective composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising: (i) a topically-effective amount of a topically-active compound, and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof.

38. The composition of claim 37 wherein the topically-active compound is present in an amount of 0.1% to about 40% by weight of the composition.

39. The composition of claim 38 wherein the topically-active compound is selected from the group consisting of a skin care agent, a topical medicament, a topically-effective drug, a topical anesthetic, a sunscreen agent, a topical cosmetic, a topical anti-inflammatory, an antibacterial compound, a dermatological compound, an antifungal compound, and mixtures thereof.

40. An emulsified water-in-oil topically-effective composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising: (i) a topically-effective amount of a first topically-active compound, and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising: (i) a topically-effective amount of a second topically-active compound, and (ii) a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene glycol ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene ether of sorbitol, and mixtures thereof; and (d) a refractive index-adjusting compound to match the refractive index of the aqueous phase to the refractive index of the organic phase and provide a transparent composition.

41. An emulsified, water-in-oil topically-effective composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising: (i) a topically-effective amount of a topically-active compound, and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a surfactant or a surfactant blend, wherein the surfactant or surfactant blend has an HLB value of about 10 or less and is free of silicon, and wherein the surfactant phase comprises a nonionic surfactant selected from the group consisting of a polyoxyethylene ether of a fatty (C.sub.6 -C.sub.22) alcohol, an ethoxylated alkylphenol, a polyethylene glycol ether of methyl glucose, a polyethylene glycol ether of sorbitol, and mixtures thereof; and (d) a refractive index-adjusting compound to match the refractive index of the aqueous phase to the refractive index of the organic phase and provide a transparent composition.

42. An emulsified, water-in-oil antiperspirant composition comprising: (a) about 65% to about 99.5% by weight of the composition of an aqueous phase, said aqueous phase comprising (i) about 1% to about 40% by weight of the composition of an antiperspirant compound and (ii) water; (b) about 0.5% to about 35% by weight of the composition of an organic phase comprising a volatile silicone compound, a volatile hydrocarbon compound, or a mixture thereof; and (c) about 0.1% to about 15% by weight of the composition of a surfactant phase consisting essentially of a silicon-free surfactant blend having an HLB value of about 1 to about 10, said surfactant blend comprising a first surfactant having an HLB value of about 0.1 to about 10 and a second surfactant having an HLB greater than about 10.

43. An emulsified, water-in-oil topically-effective composition